

# 2011-01-25 Tuesday Morning Notes

Tuesday, January 25, 2011  
7:31 AM

## Stacking and Transfers

- Stacked 26.9mA/hr with a production of 21.4 with 7.79 Tp on target.

## Interesting Happenings

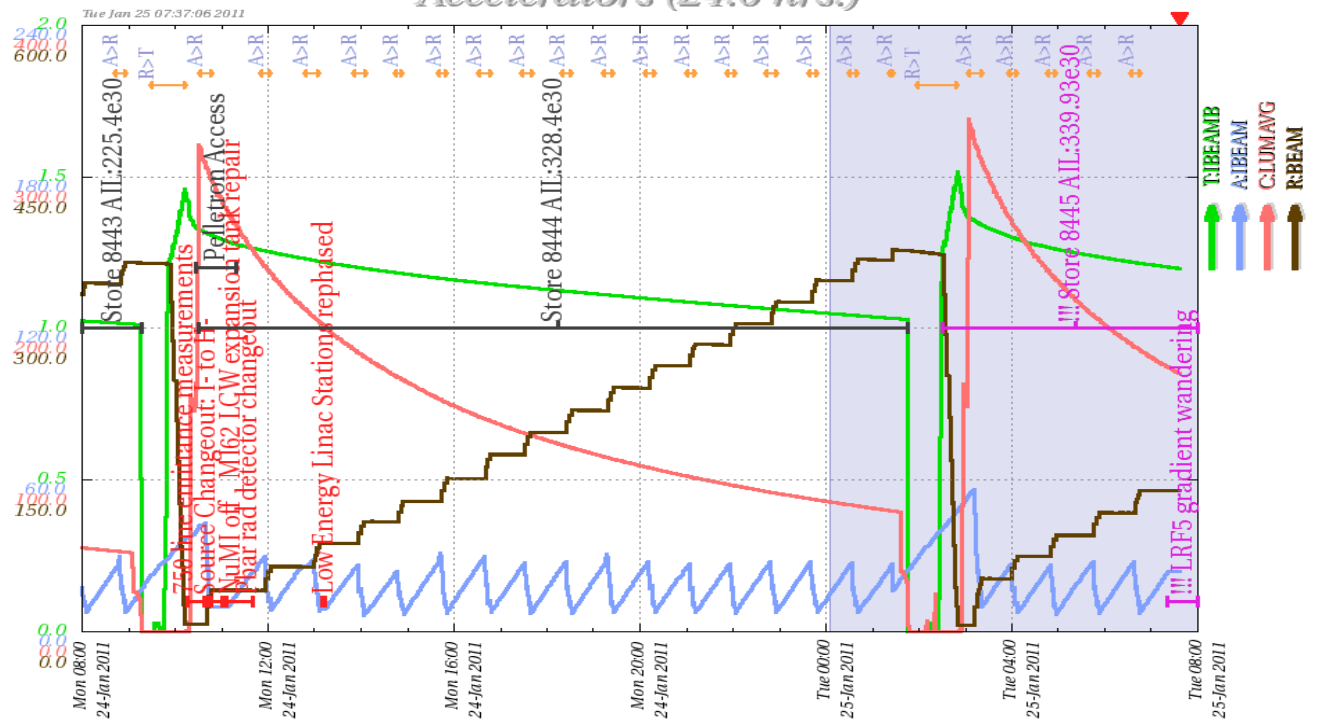
- Pbar cryo has been degrading over the last three weeks. We can see this in the dry engine, wet engine, and A:PITI7 readbacks.
- DRF1 auto-tune marched the DRF1 phase to a bad value when the Flux Capacitor scope did not successfully reconnect to the Debuncher Gap Monitor. The FLXCAP parameters were still being generated, but were incorrect values as the mux switch was in the wrong position. On the next set of transfers, the mux switch settings took, and everything was back to normal.

## Numbers

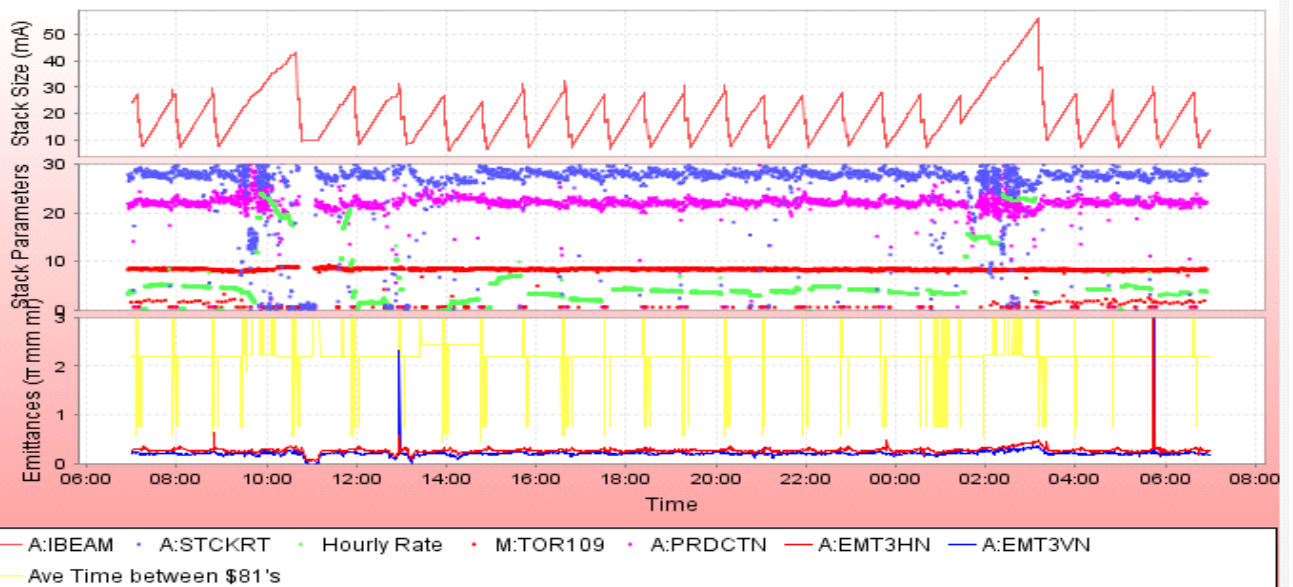
- Stacking
  - Pbars stacked: 603.46 E10
  - Time stacking: 23.44 Hr
  - Average stacking rate: 25.74 E10/Hr
- Uptime
  - Number of pulses while in stacking mode: 37279
  - Number of pulses with beam: 35493
  - Fraction of up pulses was: 95.21%
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 22.32 Hr
  - Possible average stacking rate: 27.04 E10/Hr
  - Could have stacked: 633.82 E10/Hr
- Recycler Transfers
  - Pbars sent to the Recycler: 572.86 E10
  - Number of transfers : 70
  - Number of transfer sets: 24
  - Average Number of transfer per set: 2.92
  - Time taken to shoot including reverse proton tuneup: 00.24 Hr
  - Transfer efficiency: 95.65%
- Other Info
  - Average POT : 7.78 E12
  - Average production: 21.85 pbars/E6 protons

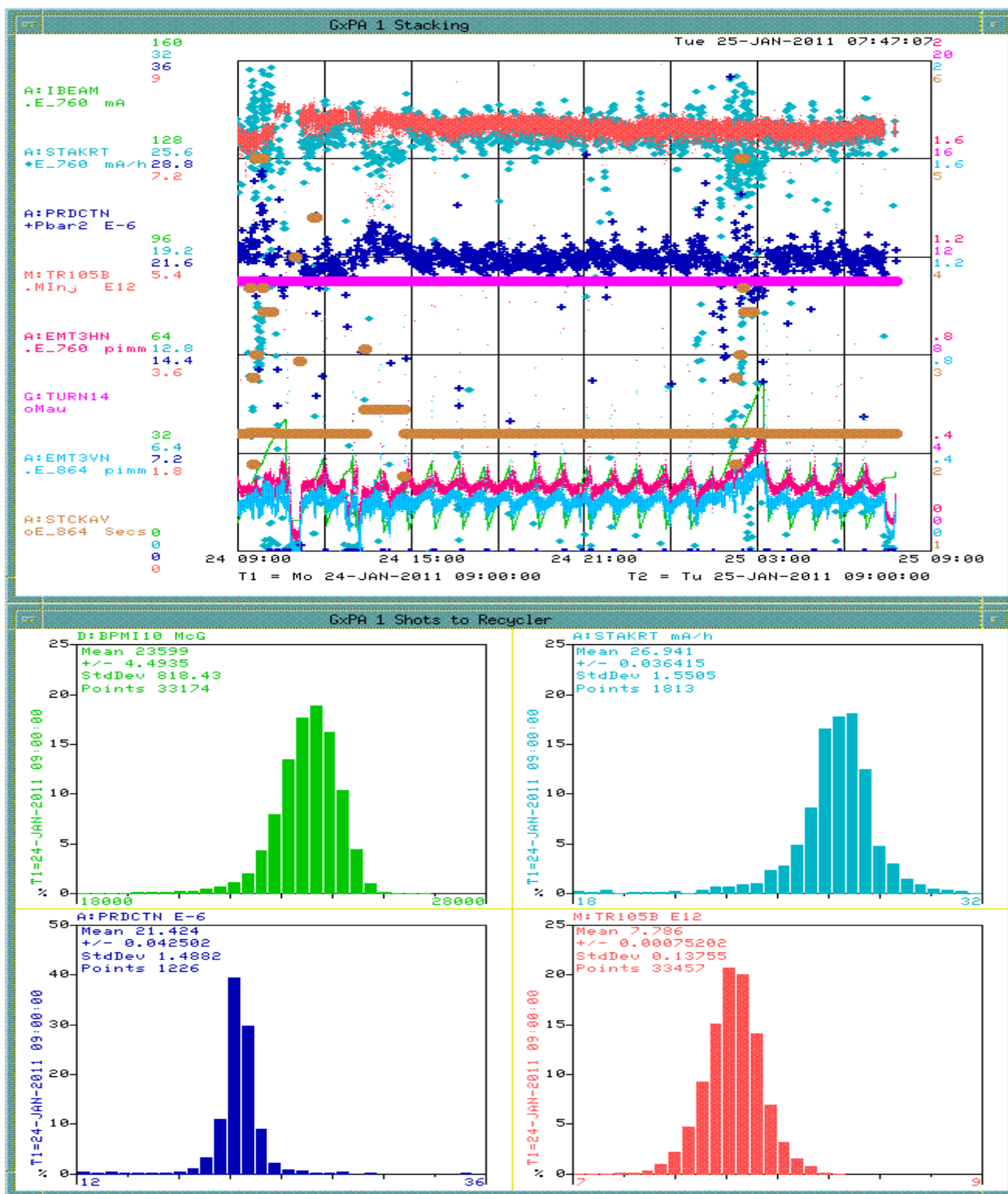
Plots

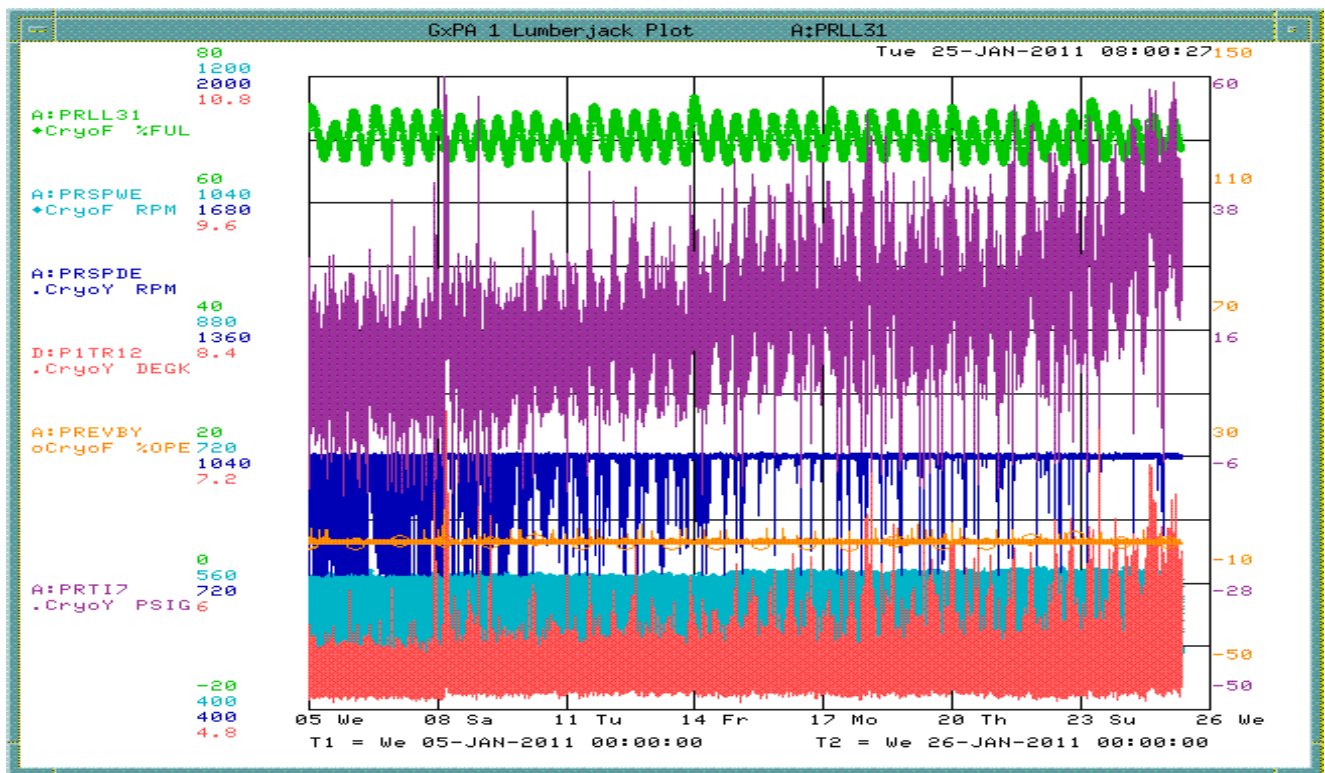
## Accelerators (24.0 hrs.)



**Mon Jan 24 07:00:00 CST 2011 -- Tue Jan 25 07:00:00 CST 2011**







Three weeks of cryo - PRTI7

